

(NY-4842).

On Methods of Evaluation of the Local Effect of an
Explosion, by M. A. Sadoyskiy, 12 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 11, 1946,
pp 1371-1375.

JPRS 7444

Sci - Phys, Chem
25 Jan 61

138,034

(NY 4842)

Investigations Into the Combustion of Mercury
Peroxide, by A. F. Belyayev, A. E. Belyayeva,
29 pp.

RUSSIAN, per, Zhur: Fiz Khim, Vol XX, No 11, 1946,
pp 1381-1389.

JPRS 7513

Sci - Chem

Feb 61

139,382

(NY-4842)

The Heating Up of the Surface of Burning Powder, by
Z. I. Arisnava, O. I. Laipanskiy, 20 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XX, No 11, Jun 1946,
pp 1391-1397.

JPRS 7512

Sci - Phys

Feb 61

139,378

Ishezhetskii, S. Ya. and Rubinshtein, R. N.
 HET VERLOOP VAN HETEROGEEËNE KATALYTISCHE
 REACTIES IN EEN STROMEND MEDIUM.
 I. ALGEMEENE VERGELIJKINGEN, TEGEN WARMTE
 GEÏSOLEERD SYSTEEM. (Progress of Heterogeneous
 Catalytic Reactions in a Stream. I. General Equations.
 A Heat-Insulated System), tr. by G. J. M. Fritschy.
 22p. 11 refs. MTWL-38. (text in Dutch).
 Order from OTS or ETC \$1.87

61-17672

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1946,
 v. 20, p. 1421-1434

DESCRIPTORS: *Catalysis, Fluid flow, *Diffusion,
 Heat, Separation, Theory.

61-17672

- I. Ishezhetskii, S. Ya.
- II. Rubinshtein, R. N.
- III. MTWL-38
- IV. Stichting Moelijk
 Toegankelijke Wetenschap-
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Office of Technical Services

Temkin, M., and Levich, V.
 HET ABSORPTIE-EVENWICHT OF HETEROGENE
 OPTERYLAKKEN (Adsorption Equilibrium on
 Heterogeneous Surfaces) tr. by G. J. M. Fritschy.
 29p. 25 refs. MTWL-45. (text in Dutch).
 Order from ODS or ETC \$2.43

61-17(63)

Trin. of Zhurnal Fizicheskoi Khimii (USSR) 1946,
 v. 20, p. 1441-1457.

DESCRIPTORS: Solids, Surfaces, Gases, *Adsorption,
 *Chemical equilibrium, Catalysts.

61-17(63)

- I. Temkin, M.
- II. Levich, V.
- III. MTWL-45
- IV. Stichting Moellijk
 Toegankelijke Wetenschap-
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Investigation of the Solid Solutions of
Copper and Magnesium in Aluminum, by D. A.
Petrov, G. S. Berg. UNCL

RUSSIAN, per, Izv. Fiz. Khim., Vol XX, No 12,
1946, pp 1475-1483.

DESR LIT (loan) M. 232

Sol - Min/Met
May 59

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Far Ultraviolet Emission and Absorption Spectra of
Methylmercury, by L. A. Blumenthal.

RUSSIAN, Zhur. Fiz. Khim., Vol. XXI, 1947,

ABSTRACT

Scientific - Chemistry

CIS Nov 1949

18788

On Some Properties of Vanadium Nitride Crystals,
by V. A. Igel'son, B. P. Ormont, 16 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp 3-10,
7211574

ABO-Tr-5805

Sci - Phys

Aug 63

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Pospelov, D. A.
STABILITY OF METAL CARBONYLS. [1963] 7p.

(refs. omitted).

Order from OTS or CIA \$1.10

63-16807

Trans. in manuscript of Zhurnal Fizicheskoi

Khimii (USSR) 1967, v. 21 [no. 1] p. 11-18.

Another trans. is available in Dutch from OTS or
ETC \$1.55 at 61-17756, MTVI-91, 6p.

DESCRIPTORS: *Metallic compounds, *Carbonyl
radicals, Stability, Copper compounds, Chemical bonds.

(Chemistry--Physical, TT, v. 10, no. 8)

63-16807

I. Pospelov, D. A.

Wilson Dam
2618

Office of Technical Services

Investigation of the Iono-organic Catalysis by the
Method of the Theory of Active Ensembles. II. Cata-
lytic Polymerization of Acetylene to Vinyl Derivatives,
by E. N. Martynov, N. I. Kobozov, 20 pp.

RUSSIAN, per, Zhur.Fiz.Khimii, Vol. XXI, No 1, 1947,
pp 85-96.

Sci Tr Center KF-2452

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Scientific Chemistry

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Nov 55
CNE/DEK

Zh. Fiz. Kh. ~~XXI~~ No. 2, 1947 p. 97

Kinetics of Reactions in Decomposition
of Alkali Metal Amides by Water
S. I. Skliarenko & Sakharov

NRL Translation 209

DEC 21 1940

The Kinetics of the Catalytic Process With the Simultaneous Presence of Several Catalysts in a Homogeneous Medium, by G. A. Bogdanov, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol 101, No 1, pp 51-63, 1967.

AMC F-38-5931-RE

Scientific - Chemistry

14,767

Equilibrium in the System $KCl-H_2H_2PO_4$ between
20.2 and 350°, by V. A. Polonin, M. I. Stakharonov,
6 pp.

RUSSEVA, per, Zhur Fiz Khim, Vol. XXI, 1947, pp 119-
123.

SLA/R-2631

Sci
Apr 49

84, 8902

Zhur Fiz Khim. XII, 197-200 (1947)

The Solubility of Potassium Hexafluorosilicate

I. G. Ryss (Dept Gen Chem, Dnepropetrovsk Metallurgical
Inst)

(Wilson Dam 1945)

Mechanism of the Inhibitor Action on Solution
of Iron in Acids, by V. A. Kuznetsov, Z. A. Iofa.
RUSSIAN, per. Zh. Fiz. Khim., Vol 21, No 2, 1947,
pp. 201-214.
CRL/D 800

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aug 69

390,180

Inorganic Peroxides, Chapter XI, Upper
Potassium Oxides, by I. A. Kazarnovskiy,
S. I. Raikhshteyn, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 3, 1947,
pp 245-255. 9080614

ABZ Tr-4753

Sci
Sep 61

167,842

Apparatus for Determining Dissociation Pres-
sures, by S. Raikhshtein, I. Khzarnovskiy.

RUSSTAN, per, Zhuk Fiz Khim, Vol XXI,
No 2, 1947, pp 257-260.

CSIRO 3510

Sci. Eng.
May 62

198, 470

Proc. by Khan Vol. 21, #3, pp 331-6 (1947)

Liberation of Hydrogen on an Iron Cathode in
Alkaline Solutions

E. Matson +
J. Lenina

Chem. Ind. (London) "1947-37"

(Jan 31, 1948)

001/1007
1007

Type I and Type 2 Polarographic Maxima, by T.
A. Iryukova.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol.
21, 1947, pp 365-375.
NII. RTS 3714

Sci-Chem
Nov 67

345.19

61-15356

Taikka, D. S.
HETEROGENEOUS EQUILIBRIA IN BINARY SYSTEMS:
ETHYLENE-CARBON DIOXIDE AND ETHYLENE-
NITROGEN SYSTEMS, tr. by J. H. Gillant. 27 Dec 60
[9]p. 11 refs. AICMA Trans. Nr. 114-60.
Order from OTS or SLA \$1.10

61-15356

Trans. of Journal Fizicheskoi Khimii (USSR) 1947,
v. 21, no. 3 [p. 355-359].

DESCRIPTORS: *Ethylene, *Carbon dioxide, *Nitrogen,
Chemical equilibrium.

The ethylene-nitrogen and ethylene-carbon dioxide systems were studied at 0° and up to 7000 kg/cm². The ethylene-nitrogen system remained homogeneous throughout the whole temperature and pressure range. The ethylene-carbon dioxide system has a crystal-liquid equilibrium. The volatilities and molar volumes of liquid ethylene were calculated up to 7000 atm. An
(Chemistry-Physical, TT, v. 6, no. 6) (over)

I. Taikka, D. S.
II. AICMA Trans-114-60
III. Army Rocket and Guided
Missile Agency, Redstone
Arsenal, Ala.

176514

Office of Technical Services

Preparation of Basic Salts of Aluminum and
Investigation of Their Properties, by M. Ye.
Shishnyukhovich, V. A. Kargin, A. I.
Karpandukhovich, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947,
pp 391-396.

SLA 60-17723

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Sci

CPS, Vol. IV, No 3

Surface Tension and Crystallization Surface
Tension of Solutions of Molten Salts, Parts
I, II, III., by V. K. Semenchko,
I. P. Shikhobalova, 56 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947,
pp 612-622; 707-714; 1387-1401,

25,455

AEC Tr 2171

Scientific - ~~Chemistry~~, Physics

Jul 55 CTS

Crystalline Structure of Cyanides, IV. 8-Ray
Diffraction Studies of Elementary Cells and
Space Group of $K_3Ru(CN)_6 \cdot 3H_2O$ (Potassium
Hexacyanotriangoruthenate) and $10Fe(CN)_6 \cdot 3H_2O$
(Monoclinic Type) Crystals by V. A. Pospelov
and G. S. Zhdanov, 10 pp.

RUSSIAN, per, Zhur Fiz. Khim., 1947, No 21, 1154
pp 405-410.

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Chem
Sol - Phys
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Breger, A. Kh. and Zhukhovitskil, A. A.
OVER EEN MOEILIJK MECHANISME VAN DE WISSEL
WERKING TUSSEN GEADSORBEERDE ATOMEN
(A Possible Mechanism of Interaction Between Adsorbed Atoms) tr. by C. J. M. Pritschy. 11p. 5 refs.
MTWL-52. (text in Dutch).
Order from OTS or ETC \$1.55

61-17650

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1947,
v. 21, p. 423-430.

DESCRIPTORS: Atoms, *Adsorption, Chemical
reactions, *Catalysis, Surfaces.

61-17650

- I. Breger, A. Kh.
- II. Zhukhovitskil, A. A.
- III. MTWL-52
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

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The Thermodynamics of Solubility in Ternary, Aqueous
Salt Systems: Temperature Coefficients of Solubility,
by N. K. Vokresenskaya, O. N. Yankovskaya, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, 1947, pp
749-758.

SLA R-3006

Sci

Jul 59

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170/80

(SF-1054)

Active Centers in an Acetylene Flame, by Ye.
Kondrat'yeva, V. Kondrat'yev, .3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 7,
1947, pp 761-763.

JPRS 4078

Sci - Chem

Oct 68

128,015

ZHUR FIZ KHIM

Vol XXI, No 6

Jun 1947

16 pp

"The System Iron-Nitrogen at High Pressures"

I. R. Krichevskiy, N. E. Khazanova

OC Digest X
copy in files

14, T111

Effect of the Free Energy of the Process
of Preparing Pyrolytic Nickelous Oxide on
Activated Adsorption, by S. S. Iloginskiy,
T. P. Melnikova,

RUSSIAN, per, Izv. Fiz. Khim., Vol. XXI, No. 8,
1947, pp 919-926.

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Natl Res Lib

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Scientific - Chemistry Mar 5; 078

22, 173

On the Kinetics of the Synthesis and Dissociation
of Ammonia on Various Catalysts, by M. Tenkin,
S. Kiperman, 39 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXI, 1947,
pp 907-912.

SIA Tr R-762

Sci - Physics
Sep 57

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62-16107

I. Veselovskii, V. I.

Veselovskii, V. I.
APPLICATION OF THE PHOTOELECTROCHEMICAL
METHOD TO THE STUDY OF HETEROGENEOUS
PHOTOSENSITIZERS OF THE ZINC OXIDE TYPE
(Primeneniye Svetoelektrokhimicheskogo Metoda k
Issledovaniyu Geterogennykh Fotosensibilizatorov Tipa
ZnO). 1962 [10 p. (foreign text included) 6 refs.
Order from OTS or SLA \$1.10 62-16107

Partial trans. (excerpts) of Zhurnal Fizicheskoi Khimii
(USSR) 1947, v. 21, no. 5, p. 983-985.

DESCRIPTORS: *Zinc compounds, *Oxides,
*Photosensitivity, Photochemistry, *Electrochemistry,
Photoelectric effect, Absorption spectra.

(Chemistry--Physical, TT, v. 8, no. 5)

Office of Technical Services

Bruns, B. P.
KATALYSE IN STADIA (Catalysis in stages). 16 p.
25 refs. MTWL-582. (Text in Dutch).
Order from OTS or ETC \$1.85 61-17297
Trans. of Zhurnal Fizicheskoy Khimii (1947), v. 21,
p. 1011-1018.

DESCRIPTORS: Catalysis, Adsorption, Theory,
Chemical bonds, Surface properties.

61-17297

- I. Bruns, B. P.
- II. MTWL-582
- III. Stichting Moeilijk
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Office of Technical Services

Kinetics of Carbon Elimination From a Steel Bath,
by L. A. Shwartsman, A. M. Samarin, M. I. ~~Shwartsman~~
Temkin

RUSSIAN, no per, Zhur Fiz Khim, Vol XII, No 9,
1947, pp 1027-1032.

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Ottawa, Canada

32,116

Sci - Chemistry

Sidorov, I. P. and Livshits, V. D.
KINETICA VAN DE AMMONIAKSYNTHESE ONDER
ISOTHERME OMSTANDIGHEDEN (Kinetics of Ammo-
nia Synthesis in Isothermal Conditions) tr. by
C.J.J.M. Philipsch. Bp. 4 refs. MWL: 51 (text in Dutch)
Order from OTS or EIC \$1.55 61-17649

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1947,
v. 21, p. 1177-1181

DESCRIPTORS: *Ammonia, Synthesis, Chemical
reactions, *High pressure research.

61-17649

I. Sidorov, I. P.
II. Livshits, V. D.
III. MWL-51
IV. Stichting Moeilijk
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Effect of Surface-Active Substances on Movement
at the Boundary Between Liquid Media, by
A. Frankin, V. Levin, 25 p.

RUSSIAN, per, Zhur Fiz Khim, 1947, Vol. XXI,
No 10, pp 1153-1204.

ATB-91134H

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Sci
Apr 60
Vol III, No 2

11, 672

Cold Flames and Two-Stage Self-Ignition in
Benzene-Air Mixtures, by A. S. Sokolik, et al.
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RUSSIAN, per, Zhur Fiz Khim, Vol XII, No 11,
1947, pp 1263-1265.

59-19074
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Sol - Chem
Apr 59

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Zhur Fiz Khim, XXI, 1293-98 (1947)

Kinetics of Exothermal Reactions Occurring Under
Adiabatic Conditions

I. Gol'man (Inst for Kino-Photo Research, Moscow)

(Wilson Dam 2640)

Zh. Fiz. Khim. Vol 21, page 1303-6 (1947)

Surface Conductivity of Solid Dielectrics
by N. Chirkov

AEC Trans (avail. Brookhaven)

RT-1956

SLA R-200

13 218

Ca-1

VOL'KENSHEIN F. F.

The electronic levels of atoms adsorbed on the surface of a
crystal. I.Zhur. Fiz. Khim., 21, No. 11, 1317-1334 (1947)

TT 167 - English

Euratom

AEC TR-367

OTS 40-13726

13 205

Ca-1

VOL'KENSHTEIN F. F.

On the interactions between adsorbed molecules in connection
with the theory of adsorption of heterogeneous surfaces

Zhur. Fiz. Khim., 21, No. 2, 163-178 (1947)

TT 120 - English

Euratom

AECTC 214

3rd Fiz. Khim. Vol 21, 1373-86 (1947)

Absorption and Structure of Activated
Charcoal II. Work on the Sorption of
Water Vapor

M. M. Dubinin
E. D. Zaverina

Done by Dr. R. B. D.,
Canada. (X-532)
1 Aug 1948 listing

The Kinetics of Ammonia Synthesis of Ruthenium,
by S. Klyerman, 30 pp.
RUSSIAN, per, Zhur Fiz. Khimii, Vol 21, No 12,
1947, pp 1435-1448. P911305167
ABC KB 1-66

Sci-Chem
Sept 67

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Second Order Phase Transitions and Critical
Phenomena, by V. K. Semakchenko

REKSIAG, par, Elmer F. Ekin, Vol XII, 1947,
pp 1461-1469.

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Natl Res Council Canada TT 103

Scientific - Physics

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Polarization of the Inner Surface of a Tube, by
O. S. Koshchek, V. V. Stender, 23 pp.

HERSHMAN, J., Zhur Fiz Khim, Vol XXXI, 1947, pp 117-127.

AEC-Tr-5820

Sci - Phys

Aug 63

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341,335

Polarisation in the Polarography of Nickel and
Cobalt Pyridine Complexes, by Ya. I. Ter'yan
and G. F. Ierova.
RUSSIAN, per. Khim. i. Zh., Vol. 31, 1957,
pp 1976-1982.
NLM KCS 3975

Sci.-Chem
Nov 67

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III. Approximated Calculation of Vibration Frequencies
of Alcohols, Ethers, and Amines, by N. N. Gopahtsin,
12 pp.

RUSSIAN, per, Zhur Fi. Khim, Vol XXII, No 1, 1948,
pp 11-19.

Sci Trans Center RT-408

Scientific - Physics
GTS/DEK

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Frequency Calculation and the Interpretation of
Vibrational Spectra of Polyatomic Molecules. II.
Dimethyl Ether, Mercaptan, by S. I. Rykina, 8 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 1, 1948,
pp 21-25.

Sci Trans Center RT-407

SAH R-3000

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Scientific - Physics

CXS/DEX

Theory of Flame propagation, by Ye. B. Zel'dovich, 39 pp.

RUSSIAN, per, Zhur Fiz Khim, # 22, 1948, pp 27-49.
(See United States National Advisory Committee for
Aeronautics.)

Technical memorandum 1282.

(7) TT-63-20708 (21 pp)

51/2493.

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Zel'dovich, Ya. B.
BIJDRAGE TOT DE THEORIE VAN DE VOORTPLAN-
TING VAN FLAMMEN (Theory of propagation of
flames). tr. by G. J. M. Fritchy. 30 p. 16 refs.
MTWL: 467 (Text in Dutch).
Order from CTS or EITC \$2.45

61-17032

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1948,
v. 22, p. 27-48.

DESCRIPTORS: *Flame propagation, Theory.

61-17032

- I. Zel'dovich, Ya. B.
- II. MTWL-467
- III. Stichting Moettijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

The Boiling Point and Heat of Evaporation of Some
Secondary Explosive Substances, by A. F. Eshyev.

RUSSIAN, per, Zhur Fiz Khim, No 1, 1948, pp 91-101

AMC/IAAD 45475-D

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Scientific - Chemistry

Oct 1949 CR:

ZHUR IIZ KHEM Vol XXII, No 2

Feb 1948

"The Valence States of the Carbon Atom" 2¹/₄ pp

M. A. Kovner

Available at Brookhaven
AEC tr - 229
July 1950

64T18

Oxidation of Ammonia on Platinum and Platinum-Rhodium
Catalysts, I, II, by L. Apel'tsin, N. Tsikin (PA 6420,
6421), 35 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XIII, 1948, no 2,
pp 174-174, 195-201.

CIA/PID/X-98

SLNR-2989

Scientific - Chemistry

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ZHUR FIZ KHEM Vol XXII, No 2

Feb 1948

46721.231

"Electrochemical Investigation of the Processes of
Corrosion of Metals in Solutions of Ethylene-Glycol"
11pp.

N. D. Tomashov, M. A. Timonova

Done by AMC
NAD 44772-D
copy in files

ATS RT-4/56

64T67

ZHUR FIZ KHIM Vol XXII, No 2

Feb 1948

"Research on the Inflammability of Gas Mixtures" 8 pp

M. B. Neyman, Kh. M. Rubina

Done by AM
NAD 11774-1
Copy in Files

64185

A. Kinetic Method of Physicochemical Analysis.
II. Kinetics of the Reaction of Pinsodium
Alloys With Ethyl Bromide Vapor, by M. B.
Neyman, V. A. Blushanov, 30 pp.

RUSSIAN, 20 per, Zhur Fiz, China, Vol XXII,
No 2, 1948, pp 145-155.

Sci Tr Center
BT-3924

37,879

Sci - Chemistry

Aug 1956

Shushunov, V. A. and Shlapnikov, Yu. A.
KINETIC METHOD OF PHYSICAL CHEMICAL
ANALYSIS. III. KINETIC REACTION OF THE
TERNARY ALLOYS Na + Pb + Mg WITH THE VAPORS
OF ETHYL CHLORIDE. [1963] 10p. (figs. omitted)
7 refs.

Order from XPS or SLA \$1.10

63-16041

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1948,
v. 22 (no. 2) p. 157-160.

DESCRIPTIONS: *Phase studies, Chemical analysis,
*Sodium alloys, *Lead alloys, *Magnesium alloys,
*Ethanes, Chlorides, Vapor pressure, Ethyl radicals,
Lead, Synthetics (Chemistry), Reaction kinetics.

It was established that the addition of magnesium to
NaPb alloy does not modify the character of the kinetic
curves of the reaction forming tetraethyllead. The
(Chemistry--Physical, TT, v. 10, no. 6) (over)

63-16041

I. Shushunov, V. A.
II. Shlapnikov, Yu. A.
III. Title: Kinetic...

Office of Technical Services

63-10042

Neliman, M. B. and Shusterman, V. A.
 KINETIC METHOD OF PHYSICAL CHEMICAL
 ANALYSIS. IV. THE TERNARY SYSTEM Na-F-
 KCl. (1960) (16 p., 4 refs.)
 Order form (JIS or SLA \$1.60) 63-10042

Trans. of Journal Fizicheskoi Khimii (USSR) 1948,
 v. 22, no. 2, p. 171-167.

DESCRIPTIONS: *Thermodynamics; Chemical analysis,
 *Sodium alloys, *Lead alloys, *Potassium alloys,
 *Ethanes, Chlorides, Vapor pressure, Reaction
 kinetics, Free radicals, Lead, Synthesis (Chemistry),
 *Inorganic compounds, Sodium compounds,
 *Fluorides.

It was stated that the addition of potassium to the
 binary alloy NaPb does not change the character of
 the electrical curve, markedly shortening induction
 (Physical Chemistry, IT, v. 10, no. 7) (over)

Neliman, M. B.
 I. Shusterman, V. A.
 III. Title: Ternary...

Office of Technical Services

SEMENCHENKO, V. K., and SHAIKHPARONOV, M. I.
1948. Verification of the general equation of
solubility. Zhur. Fiz. Khim., 22, p.241-54, 1948.
(15p.)

The Phenomenon of Excitation Lag of Internal Degrees
of Freedom During Chemical Reactions, 18 pp. by
A. E. Shkudel'

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RUSSIAN, per, J. Phys. Chem. (USSR) No 3, 289 (1948).

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Info Agency as ATI 83148

Scientific - Physics

15 30

ZHUR FIZ KHIM Vol XXII, No 3

Mar 1948

"The Electronic Theory of the Promotion and Poisoning
of Ionic Catalysts" 20 pp. pp. 311-330

F. F. Vol'kenshteyn

AEC Trans. 277
Avail a) Brookhaven

RS-61

SEA R-1776

65T22

Several Invariant Quantities in the Theory of Heat
Conductivity and the Viscosity of Liquids, by
A. A. Predvitelev, 10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 3, Mar 1948.

IP 339-332

CIA/FDD/X-1225

Scientific - Physics
REF ID: A660037

SLA R-2607

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Standard Electrode Potentials and E.M.F. Measurements
in Acetonitrile, by V. A. Pleskov, 24 pp.

RUSSIAN, Zhur Fiz Khim, Vol XXII, No 3, 1948,
pp 351-361.

Sci Trans Center RT-878

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ZHUR FIZ KHIM

Vol XXII, No 4

Apr 1948

"The Kinetics of the Homogeneous Decomposition of
Acetone to Ketene in the Presence of Steam" 10 pp.

V. B. Fal'kovskiy, M. Ya. Kager

AEC TR-351
Brookhaven

67113

ZHUR FIZ KHIM

Vol XXII, No 4

Apr 1948

"Research on the Structure of the Bunsen Burner Flame"
11 pp.

K. S. Zarembo, Ya. B Zel'dovich

Done by Cryogenic Lab, Ohio State
AMC

Tech Intel Rpt NoF-TR-2265-IA-2
Kinetics of H-O System

1 March 1949

67T8

ZHUR FIZ KHEM

Vol XXII, No 1

Apr 1948

"Speeding Up the Slow Reaction of the Oxidation of Hydro-
gen by Steam" 3 pp

V. V. Vozhevodskiy

Done by Cryogenic Lab, Ohio State

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Tech Intel Rpt NoF-TR-2265-IA-2

1 Mar 1949

Kinetics of H-O System

67TU

The Investigation of the Gas Structure of the Bunsen
Flame, 14 pp. by K. S. Zarembo and Ia. D. Zel'dovich

ZHUR-FIZ-KHIM
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127-33 (1968).

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Agency as ATI 83148

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